

CLEO Compact 20W

F8 T8 20W PH

Item No: 31816

Dimensions

Length (nom.)	438,0 mm
Length without pins (max.)	437,4 mm
Length base - pin (min.)	442,1 mm
Length base - pin (max.)	444,5 mm
Length with pins (max.)	451,6 mm
Diameter (max.)	26,0 mm
Base	G13

Electrical Data

Supply voltage:	230 V +/-0,2%
Ballast (nominal):	20W / 230V
Lamp wattage (nominal):	21 W +/-5W
Lamp current (nominal)	500 mA
Lamp voltage (nominal)	48 V +/-10V

Physical Data

UVA Irradiance (315 - 400 nm) ¹	6,0 W/m ² +/-10%
UVB Irradiance (280 - 315 nm) ¹	78 mW/m ² +/-10%
UVB/UVA ratio	1,3%
E _{er} (250 - 400 nm) ¹	14 mW/m ² +/-15%
Recommended useful life	500 Hours

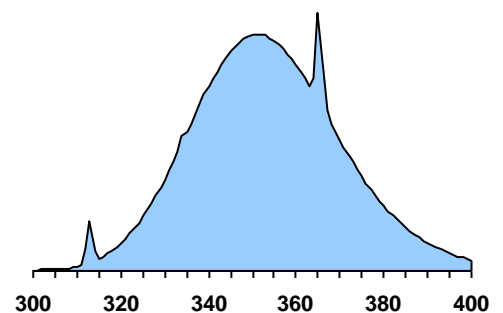
Lamp Specifications

(typical values acc. IEC / EN 61228)

- Dimensions
- See dimensions
- Reflector:
- Specified ballast: N) + Weltor LXV 6 (6W) parallel
- Electrical data:
 - Lamp power (typical) 21 W
 - Lamp current (typical) 500 mA
 - Lamp voltage (typical) 48 V
- Effective Irradiance¹
 - UV-erythem (250 - 400 nm) 14 mW/m²
 - NMSC (250 - 320 nm) 16 mW/m²
 - NMSC (321 - 400 nm) 4 mW/m²
- Aquivalency code 20-O-14/3,9

¹ acc. IEC measured in a distance of 25 cm to the lamp axis under stable operating conditions

Relative Spectral Distribution



Recommended Exposure Time

UVA irradiance in W/m ²	First session tanning time in minutes	Maximum tanning time in minutes by skin type		
		2	3	4
160	4,5	11,2	15,6	20,1
210	3,4	8,5	11,9	15,3
260	2,7	6,9	9,6	12,4

Typical irradiance of a tanning unit²: 210 W/m²

Data regarding effective dose and recommended tanning times, are basing on norm DIN EN 60335-2-27.

² The tanning unit of reference contains 5 lamps in the bench and 0 lamps in the canopy. The bench is covered by double acrylics and the canopy by a single one. Please contact the equipment manufacturer, for individual irradiance of your solarium. These information are for orientation use only and have to be coordinated / adjusted individually.